



Planetary Analog Site Evaluation Card

Last Rated: 01 Nov 2007 (J, Matthews, D.Magruder,
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SITE **Amboy Crater – Southern CA**

POC BLM, Needles Field Office
E-mail: **Tel:** 760-326-7000

LOCATION **Country:** USA **State:** California
Coordinates: 34°32'20.89"N, 115°46'35.66"W
Elevation: 1000ft.
Nearest Airfield: Las Vegas, NV; Ontario, CA
Distance: 130 miles



DESCRIPTION:

Environment: Mojave Desert
Facility: N/A
Crew: N/A
Experiments: N/A
Vehicles: N/A
Open: Year-round

HISTORY

NASA Involvement: No prior involvement

External Partners: N/A

FIGURES OF MERIT

Site value: 1 (low) to 5 (high)

Aspect	Details	Comment	1-5
EXPLORATION			
Environment	T, P, RH, Insolation, Radiation,...	Mojave Desert	
Topography	Available Area / Traverse Range	>1sq. mi.	4
	Slopes	steep grades	2
Terrain	Block/Particle Size & Shape Distrib.	sand, basalt	4
	Physical Properties	compacted	3
	Vegetation	varied	3
Subsurface	Structure (Layered, Massive,...)	Layered	
SCIENCE			
Geology	Composition (Mineral., Geochem.)		
	Features (Surface, Subsurface)	Mars like rocky terrain	4
	Processes (Impact, Volcanism,...)		
Biology	Astrobiology (Extremophiles,...)		
ACCESS			
Logistics	Airport (Major)	Vegas/Ontario 3hrs away	3
	Road	dirt road	3
	Logistics Infrastructure Base Site	N/A	1
	Water & Food	29palms, CA (45 miles)	3
	Power	N/A	
	Comms	N/A	
	Lodging	29palms, CA (45miles)	3
	Vehicles	SUVs, Rental OK	3
	Waste Disposal	no on site service	2
	Weather (T Range, Rain?)	60,70<T<80,100 F	3
	Search & Rescue	N/A	2
	Medical Support, Hospital	29palms (45 miles)	2
Security	Controlled Access	Public access	2
E/PO - PA	Education	N/A	
	Public Outreach - Visual Appeal	N/A	
	Media	N/A	
Permits	Access & Land Use Permits	BLM	3
Partners	Partner Organizations / Leveraging	N/A	1
References	Maps, GIS Data, Publications	Well documented	4

EVALUATION SUMMARY

Non-secure, public access. No on-site infrastructure.
Dry weather. Low cost.